

Amendment

Applicant: Ian Jordison et al.

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Title: CONTROL OF A SWITCHED RELUCTANCE DRIVE

Amendments to the Specification:

Please replace the paragraph beginning at page 11, line 16 with the following amended paragraph:

Figure 8 shows a current waveform of the machine operating according to another aspect of the invention; **and**

Please replace the paragraph beginning at page 11, line 18 with the following amended paragraph:

Figure 9 shows the recovery time of a generator subject to a load dump; **and**

Please add the following new paragraph immediately after the paragraph beginning at page 11, line 18:

Figure 10 shows a switched reluctance drive according to one aspect of the invention.

Please add the following new paragraph at page 15, between lines 11 and 12:

A drive according to an embodiment of the invention is shown schematically in Figure 10. This includes a DC power supply 111 that can be either a battery or rectified and filtered AC mains. The DC voltage provided by the power supply 111 is switched across phase windings 116 of the drive 112 by a power converter 113 under the control of the electronic control unit 114 having processor 117. Detection of rotor position is achieved using transducer 115, which is an example of position sensing means. Current transducer 118 is provided to give phase current feedback. The drive 112 is connected to a load 119.